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NEWS	2		"Ask CAS" for self-help around the clock
NEWS	3	FEB 27	New STN AnaVist pricing effective March 1, 2006
NEWS	4	APR 04	STN AnaVist $500 visualization usage credit offered
NEWS	5	MAY 10	CA/CAplus enhanced with 1900-1906 U.S. patent records
NEWS	6	MAY 11	KOREAPAT updates resume
NEWS	7	MAY 19	Derwent World Patents Index to be reloaded and enhanced
NEWS	8	MAY 30	IPC 8 Rolled-up Core codes added to CA/CAplus and USPATFULL/USPAT2
NEWS	9	MAY 30	The F-Term thesaurus is now available in CA/CAplus
NEWS	10	JUN 02	The first reclassification of IPC codes now complete in INPADOC
NEWS	11	JUN 26	TULSA/TULSA2 reloaded and enhanced with new search and and display fields
NEWS	12	JUN 28	Price changes in full-text patent databases EPFULL and PCTFULL
NEWS	13	JUl 11	CHEMSAFE reloaded and enhanced
NEWS	14	JUl 14	FSTA enhanced with Japanese patents
NEWS	15	JUl 19	Coverage of Research Disclosure reinstated in DWPI

NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8
NEWS X25	X.25 communication option no longer available

Enter NEWS followed by the item number or name to see news on that specific topic.

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=> file .mymstn

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

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=> lactic (w) acid and yeast and ethanol
LACTIC IS NOT A RECOGNIZED COMMAND
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For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> s lactic (w) acid and yeast and ethanol and acid (w) tolerant
L1 3 LACTIC (W) ACID AND YEAST AND ETHANOL AND ACID (W) TOLERANT

=> d ibib abs l1 1-3

L1 ANSWER 1 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2005:453747 CAPLUS
DOCUMENT NUMBER: 142:480913
TITLE: Lactic acid production by a recombinant acid-tolerant yeast expressing an exogenous lactate dehydrogenase gene
INVENTOR(S): Liu, Chi Li; Lievense, Jefferson C.
PATENT ASSIGNEE(S): A. E. Staley Manufacturing Co., USA
SOURCE: U.S. Pat. Appl. Publ., 24 pp.
CODEN: USXXCO
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2005112737	A1	20050526	US 2003-717993	20031120
AU 2004293781	A1	20050609	AU 2004-293781	20041117
WO 2005052174	A2	20050609	WO 2004-US38548	20041117
WO 2005052174	A3	20051124		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK,

EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

PRIORITY APPLN. INFO.: US 2003-717993 A 20031120
WO 2004-US38548 W 20041117

AB Disclosed herein are yeasts, which, when cultured, can produce relatively high concns. of lactic acid. Also disclosed herein are culture media that result in relatively lower levels of byproduct impurities when lactic acid-producing yeast are cultured in them.

L1 ANSWER 2 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 2003:486088 CAPLUS
DOCUMENT NUMBER: 139:260041
TITLE: Control of lactate production by Saccharomyces cerevisiae expressing a bacterial LDH gene
AUTHOR(S): Colombie, S.; Dequin, S.; Sablayrolles, J. M.
CORPORATE SOURCE: UMR "Sciences pour l'Oenologie", INRA, Montpellier, 34060, Fr.
SOURCE: Enzyme and Microbial Technology (2003), 33(1), 38-46
CODEN: EMTED2; ISSN: 0141-0229
PUBLISHER: Elsevier Science
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Potential industrial applications for lactate, such as the production of chems., has led to interest in producing this organic acid by metabolically engineered yeast such as Saccharomyces cerevisiae. Such microorganisms are more acid tolerant than lactic acid bacteria. This paper deals with the potential of the genetically modified S. cerevisiae strain K1-LDH (the lactate dehydrogenase gene of Lactobacillus plantarum has been integrated in the genome of the com. wine yeast strain K1) to produce lactate and the ways to control this production The importance of the pH control during fermentation is showed not only for preventing medium acidification but also enabling online lactate estimation Fermentation behavior of K1-LDH strain is compared to K1 (control strain): K1-LDH produces up to 40 g l-1 of lactate mainly during the stationary phase. Influences of the main medium nutrients on the lactate production were studied by varying their initial concentration While increasing glucose concentration (S0) until S0=200 g l-1 provides higher lactate yields, higher lactate productivity are achieved with high nitrogen concentration Finally, continuous and resting cells culture expts. were performed and confirmed a higher lactate yield in non-growing than in growing conditions.

REFERENCE COUNT: 25 THERE ARE 25 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L1 ANSWER 3 OF 3 CAPLUS COPYRIGHT 2006 ACS on STN
ACCESSION NUMBER: 1990:550813 CAPLUS
DOCUMENT NUMBER: 113:150813
TITLE: Construction of high ethanol producing and acid tolerant yeast by intergeneric protoplast fusion
AUTHOR(S): Limtong, Savitree; Veskijkul, Sirin; Yongmanichai, Wichien; Kumnuanta, Jaroon
CORPORATE SOURCE: Fac. Sci., Kasetsart Univ., Bangkok, 10900, Thailand
SOURCE: Microbial Utilization of Renewable Resources (1989), 6, 359-64
CODEN: MURRE6
DOCUMENT TYPE: Journal
LANGUAGE: English

AB Attempts were made to construct high EtOH-producing and acid-tolerant hybrids by intergeneric protoplast fusion of

Saccharomyces cerevisiae TJ3 (EtOH-producing flocculent strain) with Candida krusei G/3 (acid-tolerant and nonflocculent). Only 1 fusant, 3GT45, from a total of 100 was selected. In medium containing 2% lactic acid, 3GT45 produced 7.33% EtOH in 72 h, while the parental strains TJ3 and G/3 produced 6.55 and 6.83%, resp. 3GT45 also was highly flocculent, similar to its flocculent parental strain.

=> FIL STNGUIDE

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	27.71	27.92

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.25	-2.25

FILE 'STNGUIDE' ENTERED AT 16:02:26 ON 04 AUG 2006

FILE CONTAINS CURRENT INFORMATION.
LAST RELOADED: Jul 28, 2006 (20060728/UP).